

INDEX TO VOLUME 26

AUTHOR INDEX

Abu, G. O. (3) 20-25
Aoki, K. (1) 43-49
Auster, P. J. (4)
Babb, I. G. (4)
Baldwin, K. C. (1) 22-27
Barry, J. P. (4)
Baxter, C. H. (4)
Bennett, T. Jr. (2) 44-52
Biancardi, C. G. (3) 47-55
Biggs, D. C. (3) 34-38
Blidberg, D. R. (1) 22-27
Boegeman, D. E. (3) 3-10
Bowen, A. D. (4)
Boyd, J. (2) 44-52
Brenner, J. P. (3) 26-33
Clancy, R. M. (2) 15-22
Clark, A. (1) 3-6
Cooke, M. L. (3) 34-38
Davis, D. L. (4)
Dawson, G. (2) 44-52
DeWitt, C. (3) 56-57
Dunn, S. E. (1) 7-13
Durham, D. L. (2) 3-4
Ertekin, R. C. (1) 28-35
Ezer, T. (2) 5-14
Fletcher, L. S. (1) 36-42
Floering, W. (3) 56-57
Francis, R. D. (3) 26-33
Goerss, J. S. (2) 63-77
Good, D. H. (4)
Graves, D. (4)
Gritton, B. R. (4)
Hardin, D. D. (4)
Harding, J. M. (2) 15-22
Hogan, P. J. (2) 98-107
Hsu, Y. L. (2) 78-87
Hurlburt, H. E. (2) 23-32; 97-107
Imamura, E. (4)
Jacobs, G. (2) 97-107
Jahns, H. O. (3) 61-69
Javanfar, A. (3) 26-33
Jurkevics, A. (2) 88-97
Kindle, J. C. (2) 23-32
Knauer, L. (2) 44-52
Ko, D.-S. (2) 5-14
Koons, C. B. (3) 61-69
Krock, H.-J. (1) 28-35
Lai, C. C. A. (2) 33-43
Lewin, R. A. (3) 58-59
Lewis, J. K. (2) 3-4; 78-87
Liang, Y. G. (3) 39-46
Lovalvo, D. A. (4)
Lowenstein, C. D. (3) 3-10
Malatesta, R. J. (4)

Mason, C. S. (1) 50-51
May, P. (2) 15-22
Mellor, G. L. (2) 5-14
Metzger, E. J. (2) 23-32
Michalopoulos, C. (4)
Michel, D. (4)
Mitchell, J. L. (2) 97-107
Murphy, D. J. (3) 34-38
Nakahara, H. (1) 43-49
Newman, J. B. (4)
Nuckols, M. L. (1) 14-21
Phoebus, P. A. (2) 63-77
Pilska, C. H. (4)
Pollak, K. D. (2) 15-22
Pringle, J. M. (2) 23-32
Rajkkonon, R. R. (3) 58-59
Reed, R. K. (3) 56-57
Robison, B. H. (4)
Scheifele, P. (4)
Sedor, G. (1) 22-27
Sirkes, Z. (2) 23-32
Smith, S. M. (1) 7-13
Spiess, F. N. (3) 3-10
Sprunk, H. J. (4)
Stewart, L. L. (4)
Stone, G. S. (3) 11-19
Sullivan, P. K. (3) 60
Szczuchowski, C. (2) 53-62
Teague, W. J. (2) 97-107
Tsui, T. (2) 88-97
Tusting, R. F. (4)
Vayda, G. A. (2) 78-87
Walden, B. B. (4)
Walker, S. H. (1) 52-54
Wallcraft, A. J. (2) 97-107
Wilson, W. (2) 44-52

SUBJECT INDEX

ADVANCED MARINE TECHNOLOGY

Oceanographic Instrumentation

First Ocean-Research-Ship-Supported
Fly-in Re-entry to a Deep Ocean Drill
Hole, F. N. Spiess, D. E. Boegeman,
and C. D. Lowenstein (3) 3-10
Mounting and Calibrating an Acoustic
Doppler Current Profiler, D. J.
Murphy, D. C. Biggs, and M. L. Cooke
(3) 34-38

Ship Control Advisory System, C. G.
Biancardi (3) 47-55

Technical Note: A Multifunctional
Vessel: The Polymaran SPRUT-M,
R. R. Rajkkonon and R. A. Lewin
(3) 58-59

Technical Note: An Observation of
Spurious Salinity Data, C. DeWitt, W.
Floering, and R. K. Reed (3) 56-57

Satellite and Aircraft Remote Sensing

Comparison of Satellite-Derived Gulf
Stream Front and Eddy Analyses with
GEOSAT Underflight AXBT Data, C.
Szczuchowski (2) 53-62

Simulation of GEOSAT,
TOPEX/Poseidon, and ERS-1
Altimeter Data from a 1/6° Pacific Ocean
Model, P. J. Hogan, H. E. Hurlburt, G.
Jacobs, A. J. Wallcraft, W. J. Teague
and J. L. Mitchell (2) 97-107

Manned Submersibles

Commentary: Manned Versus Unmanned
Systems: A Complementary Approach,
A. D. Bowen and B. B. Walden (4)

ROVs

A Comparison of Transect and Species-
Time Counts for Assessing Faunal
Abundance from Video Surveys, C.
Michalopoulos, P. J. Auster and R. J.
Malatesta (4)

Commentary: Commercial Sector ROV
Systems Available for Science, D.
Michel

Commentary: Manned Versus Unmanned
Systems: A Complementary Approach,
A. D. Bowen and B. B. Walden (4)

Commentary: Marine Science Education
Using Low-Cost ROV Technology, I. G.
Babb and P. Scheifele (4)

Development of a Dedicated ROV for Ocean Science, J. B. Newman and B. H. Robison (4)

Introduction: ROVs for Science, P. J. Auster (4)

Investigating Seafloor Disturbances with a Small ROV, Dane D. Hardin, Dale Graves and Eiji Imamura (4)

Laser Systems and Structured Illumination for Quantitative Undersea Imaging, R. F. Tusting and D. L. Davis (4)

Measurements with Underwater Video: Camera Field Width Calibration and Structured Lighting, D. L. Davis and C. H. Pilskaln (4)

Midwater Research Methods with MBARI's ROV, B. H. Robison (4)

Modifications to Low-Cost Remotely Operated Vehicles for Scientific Sampling, H. J. Sprunk, P. J. Auster, L. L. Stewart, D. A. Lovalvo and D. H. Good (4)

Survey Design Considerations for Deep-Sea Benthic Communities Using ROVs, J. P. Barry and C. H. Baxter (4)

Video Database Systems in the Marine Sciences, B. R. Gritton and C. H. Baxter (4)

Underwater Photography and Sensing

Laser Systems and Structured Illumination for Quantitative Undersea Imaging, R. F. Tusting and D. L. Davis (4)

Measurements with Underwater Video: Camera Field Width Calibration and Structured Lighting, D. L. Davis and C. H. Pilskaln (4)

OCEAN AND COASTAL ENGINEERING

Marine Salvage and Towing

Calculations for Refloating Grounded Ships, Yang G.-L. (3) 39-46

MARINE RESOURCES

Marine Living Resources

A Comparison of Transect and Species-Time Counts for Assessing Faunal Abundance from Video Surveys, C. Michalopoulos, P. J. Auster and R. J. Malatesta (4)

Development of a Dedicated ROV for Ocean Science, J. B. Newman and B. H. Robison (4)

Marine Biotechnology: A Viable and Feasible Bioindustry for Nigeria and

Other Developing Countries, G. O. Abu (3) 20-25

Modifications to Low-Cost Remotely Operated Vehicles for Scientific Sampling, H. J. Sprunk, P. J. Auster, L. L. Stewart, D. A. Lovalvo and D. H. Good (4)

Survey Design Considerations for Deep-Sea Benthic Communities Using ROVs, J. P. Barry and C. H. Baxter (4)

Marine Mineral Resources

Technical Note: Deuterium in Hawaiian Waters, P. K. Sullivan (3) 60

Oceanographic Ships

Technical Note: A Multifunctional Vessel: The Polymaran SPRUT-M, R. R. Rajkkonon and R. A. Lewin

Ocean Pollution

Commentary: The Fate of Oil from the Exxon Valdez—A Perspective, C. B. Koons and H. O. Jahns (3) 61-69

Rapid Disappearance of Oil from a Moderate-Sized Spill: Cleanup Effort Coupled with Natural Degradation Processes, R. D. Francis, A. Javanfar, and J. P. Brenner (3) 26-33

Physical Oceanography and Meteorology

A Database Management System Design for Meteorological and Oceanographic Applications, T. Tsui and A. Jurkevics (2) 88-97

A Feature Model of the Iceland Faeroe Front, T. Bennett, Jr., J. Boyd, L. Knauer, G. Dawson and W. Wilson (2) 44-52

A Seasonal Skill Comparison between Operational Ocean Thermal Structure Products in the Northeast Atlantic/Norwegian Sea, J. M. Harding, P. May, K. D. Pollak and R. M. Clancy (2) 15-22

Comparison of Satellite-Derived Gulf Stream Front and Eddy Analyses with GEOSAT Underflight AXBT Data, C. Szczechowski (2) 53-62

Coupling Regional and Global Tide Models, J. K. Lewis, G. A. Vayda and Y. L. Hsu (2) 78-87

Hindcasting of Wind-Driven Anomalies Using a Reduced-Gravity Global Ocean Model, E. J. Metzger, H. E. Hurlburt, J. C. Kindle, Z. Sirkes and J. M. Pringle (2) 23-32

Introduction: Oceanic and Atmospheric Nowcasting and Forecasting, D. L. Durham and J. K. Lewis (2) 3-4

Modeling and Forecasting the Gulf Stream, T. Ezer, D.-S. Ko and G. L. Mellor (2) 5-14

Probabilistic Forecast of Tropical Cyclone-Generated Storm Surge with a Dynamic-Statistical Approach, C.-C. A. Lai (2) 33-43

Simulation of GEOSAT, TOPEX/Poseidon, and ERS-1 Altimeter Data from a 1/2° Pacific Ocean Model, P. J. Hogan, H. E. Hurlburt, G. Jacobs, A. J. Wallcraft, W. J. Teague and J. L. Mitchell (2) 97-107

Technical Note: An Observation of Spurious Salinity Data, C. DeWitt, W. Floering, and R. K. Reed (3) 56-57

The Assimilation of Marine Surface Data into the Navy Operational Global Atmospheric Prediction System, P. A. Phoebus and J. Goerss (2) 63-77

MARINE POLICY AND EDUCATION

Education

Commentary: Ocean Engineering Education and Training for Industrializing Countries, C. S. Mason (1) 50-51

Commentary: One Response to the United States' Need to Nurture Budding Scientists, S. H. Walker (1) 52-54

Emphasis on Interdisciplinary, Interactive Ocean Engineering at the University of New Hampshire, K. C. Baldwin, D. R. Blidberg, and G. Sedor (1) 22-27

Introduction: Training Ocean Engineers for the Twenty-First Century, A. Clark (1) 3-6

Marine Education in Japan, K. Aoki and H. Nakahara (1) 43-49

Ocean Engineering at Florida Atlantic University: A Program Expanding to Meet New Challenges, S. E. Dunn and S. M. Smith (1) 7-13

Ocean Engineering at the University of Hawaii, H.-J. Krock and R. C. Ertekin (1) 28-35

Preparing for Our Future Ocean Presence—Ocean Engineering at the U.S. Naval Academy, M. L. Nuckols (1) 14-21

Undergraduate Research at the Offshore Technology Research Center, L. S. Fletcher (1) 36-42

Marine Law and Policy

Commentary: Ocean Engineering Education and Training for

- Industrializing Countries, C. S. Mason (1) 50-51
- Introduction: Training Ocean Engineers for the Twenty-First Century, A. Clark (1) 3-6
- Japanese Ocean Research and Development, G. S. Stone (3) 11-19
- Marine Biotechnology: A Viable and Feasible Bioindustry for Nigeria and Other Developing Countries, G. O. Abu (3) 20-25
- Marine Education in Japan, K. Aoki and H. Nakahara (1) 43-49
- Video Database Systems in the Marine Sciences, B. R. Gritton and C. H. Baxter (4)

BOOK REVIEWS

- Coastal and Oceanic Buoy Engineering*, H. O. Berteaux. CDMS, H.O. Berteaux: Woods Hole, Massachusetts; reviewed by Richard A. Skop (3) 70-71
- Common Heritage or Common Burden*, M. G. Schmidt. Oxford University Press: Cary, North Carolina; reviewed by Robert W. Knecht (1) 57
- Directional Ocean Wave Spectra*, R. C. Beal (editor). The John Hopkins University Press: Baltimore, Maryland; reviewed by Ilya A. Leykin (2) 108-109
- Encyclopedia of Earth System Science*, W. A. Nierenberg (editor-in-chief). Academic Press, Inc.: San Diego, California; reviewed by David A. Ross (4)
- Geotechnical Engineering of Ocean Waste Disposal*, K. R. Demars and R. C. Chaney. American Society of Testing and Materials: Philadelphia, Pennsylvania; reviewed by Iver W. Duedall (1) 56-57
- Light and Life in the Sea*, P. J. Herring, A. K. Campbell, M. Whitfield, and L. Maddock (editors). Cambridge University Press: New York; reviewed by James F. Case (1) 56
- Sea Levels, Land Levels, and Tide Gauges*, K. O. Emery and D. G. Aubrey. Springer-Verlag: New Jersey; reviewed by Hal Palmer (3) 70
- The Ecology of Fishes on Coral Reefs*, P. F. Sale (editor). Academic Press, Inc.: San Diego, California; reviewed by Phillip S. Lobel (4)
- The Rivers of Florida*, R. J. Livingston (editor). Springer-Verlag: New York; reviewed by James P. Clugston (2) 108
- Volcanoes of the Central Andes*, S. L. de Silva and P. W. Francis. Springer-Verlag: New York; reviewed by Alexander McBirney (4)